

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	85	(166/207,210,380,212,277.ccls. 72/113, 119,120.ccls.) and (@pd>"20050918")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 14:10
S1	91	("0761518" "0988054" "1301285" "1324303" "1545039" "1561418" "1569729" "1597212" "1880218" "1930825" "1981525" "2017451" "2214226" "2216226" "2383214" "2424878" "2499630" "2519116" "2627891" "2633374" "2663073" "2898971" "3028915" "3039530" "3087546" "3167122" "3179168" "3186485" "3191677" "3191680" "3195646" "3203451" "3203483" "3245471" "3297092" "3326293" "3353599" "3354955" "3467180" "3477506" "3489220" "3583200" "3669190" "3689113" "3691624" "3712376" "3746091" "3776307" "3780562" "3785193").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 09:33
S2	51	("4445201" "4470280" "4697640" "4807704" "4848469" "4866966" "4883121" "4976322" "4997320" "5014779" "4382379" "4487630" "4502308" "4505142" "4505612" "4531581" "4567631" "4581617" "4588030" "4626129" "5052483" "5052849" "5156209" "5267613" "5271472" "5301760" "5307879" "5322127" "5366012" "3818734" "3820370" "3911707" "3948321" "3977076" "4069573" "4127168" "4159564" "4288082" "4319393" "4324407" "4349050" "4359889" "4362324" "4387502" "4407150" "4414739" "4429620" "4450612" "4483399" "5348095").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 09:32
S3	38	("5435400" "5472057" "5520255" "5706905" "5785120" "5887668" "5901787" "5901789" "5924745" "5979571" "6098717" "6325148" "6425444" "6457532" "6527049" "5667011" "5685369" "5560426" "5636661" "6446323" "6454013" "6543552" "2754577" "4371199" "0040054" "0145281" "0166668" "5409059" "5553679" "5960895" "6021850" "6029748" "6070671" "6571672").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 09:33
S4	3	("20020166664" "20040045720" "20040118571").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 13:16
S5	2	("20040045720").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 13:17

## EAST Search History

S6	91	("0761518" "0988054" "1301285" "1324303" "1545039" "1561418" "1569729" "1597212" "1880218" "1930825" "1981525" "2017451" "2214226" "2216226" "2383214" "2424878" "2499630" "2519116" "2627891" "2633374" "2663073" "2898971" "3028915" "3039530" "3087546" "3167122" "3179168" "3186485" "3191677" "3191680" "3195646" "3203451" "3203483" "3245471" "3297092" "3326293" "3353599" "3354955" "3467180" "3477506" "3489220" "3583200" "3669190" "3689113" "3691624" "3712376" "3746091" "3776307" "3780562" "3785193").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 13:17
S7	51	("4445201" "4470280" "4697640" "4807704" "4848469" "4866966" "4883121" "4976322" "4997320" "5014779" "4382379" "4487630" "4502308" "4505142" "4505612" "4531581" "4567631" "4581617" "4588030" "4626129" "5052483" "5052849" "5156209" "5267613" "5271472" "5301760" "5307879" "5322127" "5366012" "3818734" "3820370" "3911707" "3948321" "3977076" "4069573" "4127168" "4159564" "4288082" "4319393" "4324407" "4349050" "4359889" "4362324" "4387502" "4407150" "4414739" "4429620" "4450612" "4483399" "5348095").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 13:17
S8	38	("5435400" "5472057" "5520255" "5706905" "5785120" "5887668" "5901787" "5901789" "5924745" "5979571" "6098717" "6325148" "6425444" "6457532" "6527049" "5667011" "5685369" "5560426" "5636661" "6446323" "6454013" "6543552" "2754577" "4371199" "0040054" "0145281" "0166668" "5409059" "5553679" "5960895" "6021850" "6029748" "6070671" "6571672").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 13:17
S9	3	("20020166664" "20040045720" "20040118571").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 13:17
S10	184	S6 S7 S8 S9 S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 13:17
S11	311	(166/384).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 15:07
S12	457	(166/207).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 14:09

## EAST Search History

S13	67	(166/210).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 14:09
S14	649	(166/380).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 14:09
S15	583	(166/212).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 14:09
S16	269	(166/277).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 14:09
S17	195	(72/113).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 14:09
S18	200	(72/119).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 14:09
S19	139	(72/120).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 14:09
S20	2488	S11 S12 S13 S14 S15 S16 S17 S18 S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 14:09
S21	728	S20 and bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 15:10
S22	2	("6457532").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/20 14:39
S23	4	("4681160").URPN.	USPAT	OR	ON	2005/03/20 14:48

## EAST Search History

S24	159	S20 and (expand expandable expansion).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 15:10
S25	77	(thrust adj bearing) and (cooling adj channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 17:42
S26	7	(thrust adj bearing) with (cooling adj channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 17:44
S27	1	(thrust adj bearing) with (cooling adj groove)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 17:46
S28	3839	(thrust adj bearing) with (groove)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 17:46
S29	1342	(thrust adj bearing) near4 (groove)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 17:47
S30	202	S29 and (roller and shaft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/20 17:47
S32	20061	(thrust adj bearing) and roller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/18 18:34
S33	203	S32 and "166"\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/18 18:56
S34	5995	(thrust adj bearing).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/01 01:53

## EAST Search History

S35	901	S34 and roller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/18 18:59
S36	274	S35 and (first and second)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/18 18:56
S37	172	S34 and (mating mated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/18 19:57
S38	560	(thrust adj washer).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/18 19:57
S39	28	S38 and (mating mated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/18 21:28
S40	109	(166/207,210,380,212,277.ccls. 72/113, 119,120.ccls.) and (@pd>"20050320")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/20 14:10
S41	2	("20010033704").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/01 01:05
S42	701	(thrust adj bearing).ti. and sliding	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/01 01:53
S43	5729	(thrust adj bearing) with roller	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/01 01:54
S44	346	(thrust adj bearing) with (roller and piston)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/01 01:54